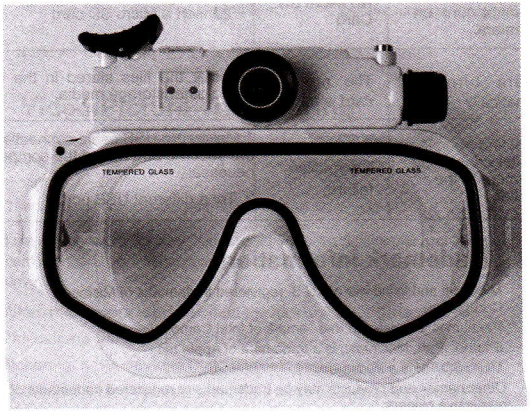
Scuba Series 720P
Digital Camera Mask

User Manual



GET TO KNOW YOUR MINI ACTION CAMERA

1.1 Features

Underwater: 30M

Video: 720P/30fps, AVI format

Still picture: 2592*1944, JPG format

Status LCD Display

Micro SD Card support up to 32GB

Camera can be separated from the Mask and use.

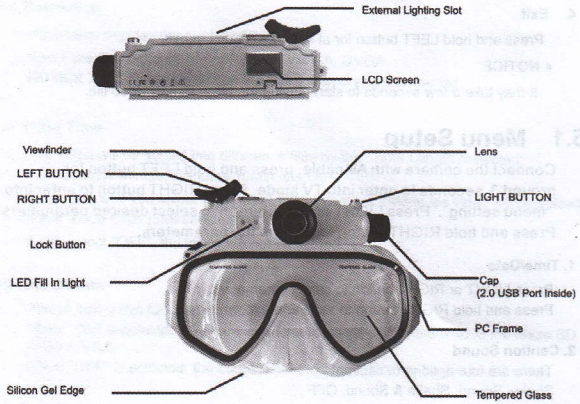
1.2 Specifications

Image Sensor	1/2.5" 5.0 Mega Pixels CMOS sensor
Image Resolution	Still Image: 2592 x 1944 Video: 720P/30fps
Lens Aperture	F/2.4 f=3.0mm
Lens	4G+IR(100 Degree Fov)
Storage Medium	Micro SD/SDHC(up to 32GB)
Lens Focus	1.2m to infinity
Display	Status LCD
Data Format	Picture: JPEG, Video: AVI
Interface	USB 2.0 High Speed
Power Supply	3.7V/600MAH Li-Battery
Weight	306 (Camera 86g, Mask 220g)
Dimensions	Camera:14.1cm*3.8cm*3.6cm Mask:19.5cm*8.7cm*7.0cm

1.3 System Requirements

Operating System	Windows 2000/ME/XP/Vista/7
CPU	Pentium II or above
RAM	At least 64MB
Interface	USB port
CD	4x speed CD ROM or above

2.0 Functional Parts



NOTE: The DIGITAL CAMERA MASK will be referred to as the "CAMERA MASK" and CAMERA" and "MASK" throughout this instruction manual.

Disassemble and Assemble

Disassemble: Press and hold the lock button on top of the camera, pull the camera along the groove from the mask.

Assemble: Pull the camera toward along with the groove on top of the mask, and push towards left.

3.0 Set Up

3.1 Power On/Off

Power On:

Press and hold the LEFT button for around 3 seconds, the camera will vibrate and the blue indicator on.

Power Off:

Press and hold LEFT button for at least 2 seconds until the blue indicator off and alert ended.

NOTE:

1. We suggest to use CLASS 6 (High speed) Micro SD card for smooth shooting purpose.
   Lower CLASS of Micro SD Card may cause video blur.
2. Ensure the camera is dry and powered off before taking out the Cap from the camera.
3. There is only one correct direction to insert the Micro SD card into the slot. Do not force the card into the card slot, as it may damage both the camera and the Micro SD card.
4. A new Micro SD card should be formatted before using.

3.2 Auto Power Off

1. When the built-in Li-battery used up, the blue indicator and red indicator will sprinkle slowly and alternately alarm. Then, camera will auto power-off in about 10 seconds.
2. When the memory is full, the camera will alarm and auto turn off within about 10 seconds.
3. The Camera will auto off when on operation for 3 minutes.
   While shooting/recording, do not take out the TF card. Otherwise, the camera will alarm and turn off.

3.3 Charging

1. Charging by PC

Connect the camera to the PC via USB cable. The red indicator flickers and the green light is on when charging is in process. When the battery is fully charged, the indicator will off.

It takes around 3-4 hours to fully charge the battery

2. Charging by A/C adapter

Connect the camera to the A/C adapter, The red indicator flickers and the green light is on when charging is in process. When the battery is fully charged, the indicator will off. It takes around 3 hours to fully charge the battery

Important Note:

The camera requires a specific A/C adapter to charge the battery. Please consult your dealer and choose a correct A/C adapter to charge the camera. Improper A/C adapter could damage the camera/battery.

3.4 Mode Switch

When the camera is on, press LEFT button to switch between the Video Mode and Single Picture Mode.

Video Mode:

The blue indicator is on, recording icon appears on the LCD.

Single Picture Mode:

The red indicator on, shooting icon appears on the LCD.

3.5 LCD Display

On the upper area, the LCD displays the following symbols(from left to right):

"Single Photo" or "Video" (either one when selected),

"Micro SD"

"Battery Level"

On the main area, the LCD displays:

1. In Video mode, 4-digit number appears. It means maximum recording capacity.
   The first 2-digit number indicates the "Minute" and the last 2-digit indicates the "second" For example "9960", it means the available time is 99 minutes and 60 seconds.

2. In Single Picture mode, 4-digit number appears. It means the maximum number of picture can be shot. The number will decrease one by one with each shooting.
   Note:
   The actual number of recording time and Picture depends on the memory capacity.

4.0 Using the camera

4.1 Shooting Video

When the camera is on and in Video mode, press RIGHT button to start shooting video, the blue indicator will twinkle. Press RIGHT button again to stop shooting, the blue indicator lights will be on.

4.2 Single Picture Shooting

When the camera is on and in Single Picture mode, press RIGHT button to shoot single picture.

You may open the Viewfinder when using the camera separately. It may help you to shoot the target accurately.

4.3 LED fill in lights

The LED lights can be used to shoot video/single picture in dark area as well as a flashlight.
Press the "LIGHT" button to turn in on. Press the "LIGHT" button again to turn it off.

4.4 PC Camera

The Camera can be used as a PC camera (webcam)

1. Make sure to turn on the camera before connecting to the computer.
2. The camera will be detected and the driver will be installed automatically under Windows XP/Vista/7 when the camera is connected to the computer via USB cable.
3. After the driver installation is completed, the PC camera function is ready to use.

Note: A PC camera program is needed to support this function.

4.5 Video/Picture Transferring

Please copy the Video/Picture files into your PC for better playback.
The Camera can be used as a "Removable Disk" when it's connected to PC.
There are two ways to copy the Video/Picture file to your PC

1. Take out the Micro SD card. Insert Micro SD into a SD adapter and insert the card into the SD slot of the computer. Then, copy the files to the computer hard drive.
2. When the camera is off, connect the camera to a PC via USB cable. The camera will be detected by the PC and the "blue light" starts flickering. A "Removable Disk" icon will appear in "My Computer" of the PC. All the Video/Picture files can be transferred to the PC.

5.0 Play on TV

Connect the Camera to the TV with AV cable. Then turn on the Camera.

1. **Manual Playback**
   Press LIGHT or LEFT button to browse the Video or Pictures files.
   Press RIGHT button to play Video or Pictures files
2. **Auto play**
   Press RIGHT button to play Video or Pictures files automatically.
   For the pictures files, it performs slideshow by 5 seconds each picture.

3. **Pause**

Press RIGHT button to pause and press it again to continue.

4. **Exit**

Press and hold LEFT button for at least 2 seconds to exit.

- **NOTICE**

It may take a few seconds to start playing the large size of video file.

5.1 Menu Setup

Connect the camera with AV cable, press and hold LEFT button for around 3 seconds to enter into TV mode. Press RIGHT button to enter into "menu setting". Press LIGHT or LEFT button to select desired parameters. Press and hold RIGHT button to confirm the parameters.

1. Time/Date

Press LIGHT or RIGHT button to select parameters.
Press and hold RIGHT button to save and exit.

2. Caution Sound

There are four options of caution:
Shake, Sound, Shake & Sound, OFF

3. Language Setup

There are 9 languages for choice:

English,Deutsch, Français, Español, Italiano, Português, 繁中文, 简体中文 or日本语.

4. Frequency

Select 50HZ or 60HZ to suit your local electricity frequency.

5. TV Mode NTSC/PAL

Select the NTSC or PAL to suit your TV system.

6. Format

This is to format your Micro SD Card inside the camera.

7. Default Setting

Select "OK" to restore the default setting which set by the factory.
(The system time will not be reset).
Select "Cancel" to exit without restore the default setting.

8. Resolution

Resolution decides the quality of the Video.

There are four options: 1080P, 720P, WVGA, QVGA

NOTICE : The higher resolution the more memory space needed.

9. Video Time

The video will be splited into difference files by the Time Length?selected: 10Seconds;1 Minute;5Minutes;10Minutes;Off.

For example, if you select "5Minutes" Time Length, a 20Minutes video will be splited into 4 Video Clips (5Minutes each Clip).

If you select "OFF", the video will not be splited.

10. Auto Delete

Please select this function carefully.
When "ON" is selected, the camera will auto delete the data stored in the Micro SD when it is full.
When "OFF" is selected, the camera will auto turn off when the Micro SD is full.

11. Data Print

When "ON" is selected, the DATE will be stamped on Video/Picture.
When "OFF" is selected, no DATE will be stamped on Video/Picture.

12. Version

It shows Firmware Version information.

6.0 Trouble Shooting

Problems	Causes	Solutions
1. LED Flickers and camera turns off 2. Cannot turn on the camera	Low battery / No Micro SD Card	1.Recharge the camera 2.Insert a Micro SD card
Camera turns off automatically	The micro SD card is full	Transfer the files stored in the Micro SD to other storage media.
Cannot find removable disk after connecting the camera to the computer.	Connection failure.	1.Make sure USB cable connections are secured and restart the computer if necessary. 2. Try a different USB port.

7.0 Trademark Information

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